



CLIP Labs

5945 Pacific Center Blvd
San Diego, CA 92121
858-381-3483

Sample Results Summary

Hempacco
9925 Airway Rd
San Diego, CA 92154
775-473-1201

Sample ID: N20000062.P.PR.00837

Batch #: 20200828

Lot #: N/A

Matrix: Plant

Sample Type: Preroll

Batch Weight: N/A

Sample Weight: 232.8 g

Units Sampled: 13 Packs

1 pack = 20 units

Date Sampled: 08/28/2020

Date Received: 08/28/2020

The Real Stuff

Report Date: 09/03/2020



Total THC = 1.573 mg/g = 0.1573%
Total CBD = 40.655 mg/g = 4.0655%
Total Cannabinoids = 48.256 mg/g = 4.8256%
Unit Weight = 0.800 g/unit | CBD/unit = 32.524 mg
*Total THC = THCa * 0.877 + d9-THC; Total CBD = CBDa * 0.877 + CBD.*

Safety Results	
Pesticides - Tested	Heavy Metals - Tested
Mycotoxins - Tested	Solvents - Tested
Microbials - Tested	Water Activity - Tested
Foreign Matter Inspection - Tested	

Cannabinoids

Date Analyzed: 08/31/2020

Analyte	CAS#	LOD (mg/g)	LOQ (mg/g)	Result (mg/unit)	Result (mg/g)	Result (%)
THCa	23978-85-0	0.012	0.125	0.822	1.028	0.1028
d9-THC	1972-08-3	0.014	0.125	0.537	0.671	0.0671
d8-THC	5957-75-5	0.019	0.125	ND	ND	ND
THCV	28172-17-0	0.008	0.125	<0.100	<0.125	<0.0125
CBDa	13956-29-1	0.004	0.125	29.240	36.550	3.6550
CBD	1244-58-2	0.006	0.125	6.881	8.601	0.8601
CBDV	20675-51-8	0.005	0.125	ND	ND	ND
CBC	24274-48-4	0.011	0.125	0.422	0.528	0.0528
CBGa	25654-31-3	0.004	0.125	0.570	0.713	0.0713
CBG	25555-57-1	0.005	0.125	0.132	0.165	0.0165
CBN	521-35-7	0.005	0.125	ND	ND	ND

Cannabinoids tested on a Shimadzu LC-2030C Plus following SOP AL-03.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

Moisture Content

Date Analyzed: 08/31/2020

Analyte	Result (%)
Water	8.82%

Moisture content tested on a Shimadzu MOC-120H Moisture Balance following SOP AL-01.

Cindy Orser, PhD, Chief of Science
09/03/2020

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Terpenes			Date Analyzed: 08/31/2020	
Analyte	LOD (mg/g)	LOQ (mg/g)	Result (mg/g)	Result (%)
alpha-Bisabolol	0.020	0.080	0.167	0.0167
alpha-Humulene	0.020	0.080	ND	ND
alpha-Pinene	0.020	0.080	0.133	0.0133
alpha-Terpinene	0.020	0.080	ND	ND
beta-Caryophyllene	0.020	0.080	0.434	0.0434
beta-Myrcene	0.020	0.080	<LOQ	<LOQ
beta-Pinene	0.020	0.080	<LOQ	<LOQ
Camphene	0.020	0.080	ND	ND
Caryophyllene Oxide	0.020	0.080	<LOQ	<LOQ
cis-Ocimene	0.020	0.080	ND	ND
delta-3-Carene	0.020	0.080	ND	ND
delta-Limonene	0.020	0.080	<LOQ	<LOQ
Eucalyptol	0.020	0.080	<LOQ	<LOQ
gamma-Terpinene	0.020	0.080	<LOQ	<LOQ
Geraniol	0.020	0.080	ND	ND
Guaiol	0.020	0.080	<LOQ	<LOQ
Isopulegol	0.020	0.080	ND	ND
Linalool	0.020	0.080	ND	ND
Ocimene	0.020	0.080	ND	ND
Terpinolene	0.020	0.080	ND	ND
trans-Nerolidol	0.020	0.080	<LOQ	<LOQ
trans-Ocimene	0.020	0.080	ND	ND

Terpenes tested on a Shimadzu GCMS-QP2010 SE following SOP AL-04.

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 9925 Airway Rd Lot #: N/A
 San Diego, CA 92154 Matrix: Plant
 775-473-1201 Sample Type: Preroll
 Date Received: 08/28/2020 The Real Stuff Report Date: 09/03/2020

Pesticides				Date Analyzed: 09/01/2020	
Analyte	CAS No.	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Result (µg/g)
Category I Residual Pesticides					
Aldicarb	116-06-3	0.013	0.04	0.013	ND
Carbofuran	1563-66-2	0.007	0.022	0.007	ND
Chlordane	57-74-9	0.02	0.08	0.02	ND
Chlorfenapyr	122453-73-0	0.03	0.09	0.03	ND
Chlorpyrifos	2921-88-2	0.004	0.011	0.004	ND
Coumaphos	56-72-4	0.007	0.021	0.007	ND
Daminozide	1596-84-5	0.033	0.1	0.033	ND
Dichlorvos	62-73-7	0.013	0.041	0.013	ND
Dimethoate	60-51-5	0.007	0.022	0.007	ND
Ethoprophos	13194-48-4	0.011	0.034	0.011	ND
Etofenprox	80844-07-1	0.007	0.022	0.007	ND
Fenoxycarb	72490-01-8	0.014	0.044	0.014	ND
Fipronil	120068-37-3	0.024	0.073	0.024	ND
Imazalil	35554-44-0	0.009	0.026	0.009	ND
Methiocarb	2032-65-7	0.015	0.045	0.015	ND
Methyl parathion	298-00-0	0.02	0.05	0.02	ND
Mevinphos	7786-34-7	0.009	0.027	0.009	ND
Paclobutrazol	76738-62-0	0.013	0.04	0.013	ND
Propoxur	114-26-1	0.015	0.044	0.015	ND
Spiroxamine	118134-30-8	0.008	0.023	0.008	ND
Thiacloprid	111988-49-9	0.006	0.017	0.006	ND

Pesticides tested on a Shimadzu LCMS-8060 or a Shimadzu GCMS-TQ8050 NX following SOP AL-07.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

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Lot #: N/A

Matrix: Plant

Sample Type: Preroll

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The Real Stuff

Report Date: 09/03/2020

Pesticides

Date Analyzed: 09/01/2020

Analyte	CAS No.	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Result (µg/g)
Category II Residual Pesticides					
Abamectin	71751-41-2	0.011	0.033	0.1	ND
Acephate	30560-19-1	0.01	0.029	0.1	ND
Acequinocyl	57960-19-7	0.023	0.07	0.1	ND
Acetamiprid	135410-20-7	0.003	0.01	0.1	0.013
Azoxystrobin	131860-33-8	0.017	0.051	0.1	<LOQ
Bifenazate	149877-41-8	0.022	0.066	0.1	<LOQ
Bifenthrin	82657-04-3	0.009	0.028	3	ND
Boscalid	188425-85-6	0.023	0.068	0.1	ND
Captan	133-06-2	0.04	0.13	0.7	ND
Carbaryl	63-25-2	0.01	0.03	0.5	ND
Chlorantraniliprole	500008-45-7	0.023	0.069	10	ND
Clofentezine	74115-24-5	0.008	0.025	0.1	ND
Cyfluthrin	68359-37-5	0.02	0.08	2	ND
Cypermethrin	52315-07-8	0.02	0.09	1	ND
Diazinon	333-41-5	0.005	0.015	0.1	<LOQ
Dimethomorph	110488-70-5	0.015	0.047	2	ND
Etoxazole	153233-91-1	0.004	0.013	0.1	ND
Fenhexamid	126833-17-8	0.02	0.062	0.1	ND
Fenpyroximate	111812-58-9	0.002	0.007	0.1	ND
Fonicamid	158062-67-0	0.01	0.031	0.1	ND
Fludioxonil	464674-86-1	0.021	0.062	0.1	ND
Hexythiazox	78587-05-0	0.002	0.007	0.1	0.093
Imidacloprid	138261-41-3	0.011	0.034	5	ND
Kresoxim-methyl	143390-89-0	0.013	0.041	0.1	ND
Malathion	121-75-5	0.027	0.082	0.5	0.148
Metalaxyl	57837-19-1	0.017	0.051	2	ND

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Pesticides Date Analyzed: 09/01/2020

Analyte	CAS No.	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)	Action Level ($\mu\text{g/g}$)	Result ($\mu\text{g/g}$)
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Category II Residual Pesticides (continued)

Methomyl	16752-77-5	0.008	0.024	1	ND
Myclobutanil	88671-89-0	0.017	0.051	0.1	ND
Naled	300-76-5	0.025	0.075	0.1	ND
Oxamyl	23135-22-0	0.004	0.013	0.5	ND
Pentachloro-nitrobenzene	82-68-8	0.02	0.07	0.1	ND
Permethrin	52645-53-1	0.006	0.017	0.5	ND
Phosmet	732-11-6	0.012	0.037	0.1	ND
Piperonyl Butoxide	51-03-6	0.003	0.008	3	ND
Prallethrin	23031-36-9	0.008	0.025	0.1	ND
Propiconazole	60207-90-1	0.004	0.013	0.1	0.073
Pyrethrins	8003-34-7	0.012	0.037	0.5	ND
Pyridaben	96489-71-3	0.005	0.017	0.1	ND
Spinetoram	187166-15-0, 187166-40-1	0.004	0.012	0.1	ND
Spinosad	131929-60-7, 131929-63-0	0.007	0.021	0.1	ND
Spiromesifen	283594-90-1	0.006	0.019	0.1	ND
Spirotetramat	203313-25-1	0.014	0.041	0.1	ND
Tebuconazole	107534-96-3	0.013	0.039	0.1	ND
Thiamethoxam	153719-23-4	0.005	0.015	5	ND
Trifloxystrobin	141517-21-7	0.002	0.006	0.1	ND

Pesticides tested on a Shimadzu LCMS-8060 or a Shimadzu GCMS-TQ8050 NX following SOP AL-07.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

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Mycotoxins				Date Analyzed: 09/01/2020	
Analyte	LOD (µg/kg)	LOQ (µg/kg)	Action Level (µg/kg)	Result (µg/kg)	
Aflatoxin B1	1.3	4.5	-	ND	
Aflatoxin B2	2.2	7.7	-	ND	
Aflatoxin G1	2	7	-	ND	
Aflatoxin G2	1.6	5.8	-	ND	
Total Aflatoxins	-	-	20	ND	
Ochratoxin A	5.4	19.3	20	ND	

Mycotoxins tested on a Shimadzu LCMS-8060 following SOP AL-07. Total Aflatoxins = sum of Aflatoxin B1, B2, G1, G2.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

Microbials		Date Analyzed: 09/03/2020
Analyte	Result	
Aspergillus flavus	Not Detected	
Aspergillus fumigatus	Not Detected	
Aspergillus niger	Not Detected	
Aspergillus terreus	Not Detected	
Shiga toxin-producing E. coli	Not Detected	
Salmonella	Not Detected	

Microbials tested on a Agilent Aria MX G8830A Real Time PCR System following SOP M-06. Action level upon detection.

Water Activity		Date Analyzed: 09/01/2020	
Analyte	Action Level		
	(aW)	Result (aW)	
Water	0.65	0.63	

Water activity tested using a Rotronic HC2-AW-USB Water Activity Probe following SOP AL-02.

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Residual Solvents				Date Analyzed: 09/01/2020	
Analyte	CAS No.	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Result (µg/g)
Category I Residual Solvent or Processing Chemical					
1,2-Dichloroethane	107-06-2	0.08	0.24	1.0	ND
Benzene	71-43-2	0.08	0.28	1.0	ND
Chloroform	67-66-3	0.16	0.52	1.0	ND
Ethylene oxide	75-21-8	0.16	0.6	1.0	ND
Methylene chloride	75-09-2	0.08	0.24	1.0	ND
Trichloroethene	79-01-6	0.2	0.68	1.0	ND
Category II Residual Solvent or Processing Chemical					
Acetone	67-64-1	14.32	47.72	5000	<LOQ
Acetonitrile	75-05-8	13.88	46.36	410	ND
Butane	106-97-8	46.96	156.56	5000	ND
Ethanol	64-17-5	17.28	57.68	5000	<LOQ
Ethyl acetate	141-78-6	16.88	56.36	5000	ND
Ethyl ether	60-29-7	17.96	59.96	5000	ND
Heptane	142-82-5	15.84	52.76	5000	ND
Hexane	110-54-3	19.04	63.48	290	<LOQ
Isopropanol	67-63-0	15.28	50.92	5000	440.81
Methanol	67-56-1	18.8	62.68	3000	ND
Pentane	109-66-0	26.44	88.2	5000	ND
Propane	74-98-6	99.2	330.88	5000	ND
Toluene	108-88-3	20.68	69	890	37.64
Total Xylenes	1330-20-7	24.76	82.52	2170	ND

Residual solvents tested on a Shimadzu GCMS-QP2010 SE following SOP AL-05.

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